Sequence Listing

<110>   CHO-A PHARM CO., LTD.
         KIM, Jin Hoi

<120>   Porcine uroplakin II promoter and the production method of useful
         proteins using said promoter

<130>   03PP181

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<151>   2002-11-04

<150>   KR 10-2003-0077256
<151>   2003-11-03

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Sequence Listing

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Sequence Listing

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Sequence Listing

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Sequence Listing

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Sequence Listing

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Sequence Listing

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Sequence Listing

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Sequence Listing

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Sequence Listing

Suggs, S.

Lin, C. H.

Browne, J. K.

Smalling, R.

Egrie, J. C.

Chen, K. K.

Fox, G. M.

Martin, F.

Stabinsky, Z.

<302>   Cloning and expression of the human erythropoietin gene

<303>   Proc. Natl. Acad. Sci. U.S.A.

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Sequence Listing

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Sequence Listing

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Sequence Listing

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tgggaaccat gaagacagga tgggggctgg cctctggctc tcatggggtc caagttttgt   3300

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tttctgggaa cctccaaatc ccctggctct gtcccactcc tggcagcagt gcagcaggtc   3420

caggtccggg aaatgagggg tggagggggc tgggccctac gtgctgtctc acacagcctg   3480

tctgacctct cgacctaccg gcctaggcca caagctctgc ctacgctggt caataaggtg   3540

tctccattca aggcctcacc gcagtaaggc agctgccaac cctgcccagg gcaaggctgc   3600

ag   3602

<210>   5
<211>   1916
<212>   DNA
<213>   Gallus gallus

<220>
<221>   misc_signal
<222>   (1)..(1916)
<223>   beta-globin insulator

<400>   5
gcggccgcgc gcgtcaggtg gcacttttcg gggaaatgtg cgcggaaccc ctatttgttt   60

atttttctaa atacattcaa atatgtatcc gctcatgaga caataaccct gataaatgct   120

tcaataatat tgaaaaagga agagtcctga ggcggaaaga accagctgtg gaatgtgtgt   180

cagttagggt gtggaaagtc cccaggctcc ccagcaggca gaagtatgca aagcatgcat   240

Sequence Listing

ctcaattagt cagcaaccag gtgtggaaag tccccaggct ccccagcagg cagaagtatg   300

caaagcatgc atctcaatta gtcagcaacc atagtcccgc ccctaactcc gcccatcccg   360

cccctaactc cgcccagttc cgcccattct ccgccccatg gctgactaat tttttttatt   420

tatgcagagg ccgaggccgc ctcggcctct gagctattcc agaagtagtg aggaggcttt   480

tttggaggcc taggcttttg caaagatcga tcaagagaca ggatgaggat cgtttcgcat   540

gattgaacaa gatggattgc acgcaggttc tccggccgct tgggtggaga ggctattcgg   600

ctatgactgg gcacaacaga caatcggctg ctctgatgcc gccgtgttcc ggctgtcagc   660

gcaggggcgc ccggttcttt ttgtcaagac cgacctgtcc ggtgccctga atgaactgca   720

agacgaggca gcgcggctat cgtggctggc cacgacgggc gttccttgcg cagctgtgct   780

cgacgttgtc actgaagcgg gaagggactg gctgctattg ggcgaagtgc cggggcagga   840

tctcctgtca tctcaccttg ctcctgccga gaaagtatcc atcatggctg atgcaatgcg   900

gcggctgcat acgcttgatc cggctacctg cccattcgac caccaagcga aacatcgcat   960

cgagcgagca cgtactcgga tggaagccgg tcttgtcgat caggatgatc tggacgaaga   1020

gcatcagggg ctcgcgccag ccgaactgtt cgccaggctc aaggcgagca tgcccgacgg   1080

cgaggatctc gtcgtgaccc atggcgatgc ctgcttgccg aatatcatgg tggaaaatgg   1140

ccgcttttct ggattcatcg actgtggccg gctgggtgtg gcggaccgct atcaggacat   1200

agcgttggct acccgtgata ttgctgaaga gcttggcggc gaatgggctg accgcttcct   1260

cgtgctttac ggtatcgccg ctcccgattc gcagcgcatc gccttctatc gccttcttga   1320

cgagttcttc tgagcgggac tctggggttc gaaatgaccg accaagcgac gcccaacctg   1380

ccatcacgag atttcgattc caccgccgcc ttctatgaaa ggttgggctt cggaatcgtt   1440

Sequence Listing

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ttccgggacg ccggctggat gatcctccag cgcggggatc tcatgctgga gttcttcgcc         1500

caccctaggg ggaggctaac tgaaacacgg aaggagacaa taccggaagg aacccgcgct         1560

atgacggcaa taaaaagaca gaataaaacg cacggtgttg ggtcgtttgt tcataaacgc         1620

ggggttcggt cccagggctg gcactctgtc gataccccac cgagacccca ttggggccaa         1680

tacgcccgcg tttcttcctt ttccccaccc caccccccaa gttcgggtga aggcccaggg         1740

ctcgcagcca acgtcggggc ggcaggccct gccatagcct caggttactc atatatactt         1800

tagattgatt taaaacttca tttttaattt aaaaggatct aggtgaagat ccttttttgat         1860

aatctcatga ccaaaatccc ttaacgtgag ttttcgttcc actgagcgtc cgatcg           1916
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<210>    6
<211>    2254
<212>    DNA
<213>    Artificial Sequence

<220>
<223>    Cloning vector pEGFP-N1, complete sequence, enhanced green
         fluorescent prootein (egfp) and neomycin phosphotransferase genes


<400>    6
tcgactctag agggacagcc cccccccaaa gccccaggg atgtaattac gtccctcccc          60

cgctaggggc agcagcgagc cgcccggggc tccgctccgg tccggcgctc ccccgcatc         120

ccgagccgg cagcgtgcgg ggacagcccg ggcacgggga aggtggcacg ggatcgcttt         180

cctctgaacg cttctcgctg ctctttgagc ctgcagacac ctgggggat acggggaaaa         240

agctttaggc tgaaagagag atttagaatg acagaatcat agaacggcct gggttgcaaa         300

ggagcacagt gctcatccag atccaacccc ctgctatgtg cagggtcatc aaccagcagc         360
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Sequence Listing

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ccaggctgcc cagagccaca tccagcctgg ccttgaatgc ctgcagggat ggggcatcca        420

cagcctcctt gggcaacctg ttcagtgcgt caccaccctc tgggggaaaa actgcctcct        480

catatccaac ccaaacctcc cctgtctcag tgtaaagcca ttcccccttg tcctatcaag        540

ggggagtttg ctgtgacatt gttggtctgg ggtgacacat gtttgccaat tcagtgcatc        600

acggagaggc agatcttggg gataaggaag tgcaggacag catggacgtg ggacatgcag        660

gtgttgaggg ctctgggaca ctctccaagt cacagcgttc agaacagcct taaggataag        720

aagataggat agaaggacaa agagcaagtt aaaacccagc atggagagga gcacaaaaag        780

gccacagaca ctgctggtcc ctgtgtctga gcctgcatgt ttgatggtgt ctggatgcaa        840

gcagaagggg tggaagagct tgcctggaga gatacagctg ggtcagtagg actgggacag        900

gcagctggag aattgccatg tagatgttca tacaatcgtc aaatcatgaa ggctggaaag        960

cctccaagat ccccaagacc aaccccaacc cacccaccgt gcccactggc catgtccctc       1020

agtgccacat ccccacagtt cttcatcacc tccagggacg gtgaccccccc cacctccgtg       1080

ggcagctgtg ccactgcagc accgctcttt ggagaaggta aatcttgcta aatccagccc       1140

gaccctcccc tggcacaacg taaggccatt atctctcatc caactccagg acggagtcag       1200

tgaggatggg gctctagagg gacagccccc ccccaaagcc cccagggatg taattacgtc       1260

cctcccccgc taggggcagc agcgagccgc ccggggctcc gctccggtcc ggcgctcccc       1320

ccgcatcccc gagccggcag cgtgcgggga cagcccgggc acggggaagg tggcacggga       1380

tcgctttcct ctgaacgctt ctcgctgctc tttgagcctg cagacacctg gggggatacg       1440

gggaaaaagc tttaggctga aagagagatt tagaatgaca gaatcataga acggcctggg       1500

ttgcaaagga gcacagtgct catccagatc caaccccctg ctatgtgcag ggtcatcaac       1560
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Sequence Listing

cagcagccca ggctgcccag agccacatcc agcctggcct tgaatgcctg cagggatggg   1620

gcatccacag cctccttggg caacctgttc agtgcgtcac caccctctgg gggaaaaact   1680

gcctcctcat atccaaccca aacctcccct gtctcagtgt aaagccattc ccccttgtcc   1740

tatcaagggg gagtttgctg tgacattgtt ggtctggggt gacacatgtt tgccaattca   1800

gtgcatcacg gagaggcaga tcttggggat aaggaagtgc aggacagcat ggacgtggga   1860

catgcaggtg ttgagggctc tgggacactc tccaagtcac agcgttcaga acagccttaa   1920

ggataagaag ataggataga aggacaaaga gcaagttaaa acccagcatg gagaggagca   1980

caaaaaggcc acagacactg ctggtccctg tgtctgagcc tgcatgtttg atggtgtctg   2040

gatgcaagca gaaggggtcc atgtccctca gtgccacatc cccacagttc ttcatcacct   2100

ccagggacgg tgaccccccc acctccgtgg gcagctgtgc cactgcagca ccgctctttg   2160

gagaaggtaa atcttgctaa atccagcccg accctcccct ggcacaacgt aaggccatta   2220

tctctcatcc aactccagga acggagtcag tgag   2254

<210>   7
<211>   632
<212>   DNA
<213>   Woodchuck hepatitis B virus

<220>
<221>   misc_signal
<222>   (1)..(632)
<223>   woodchuck hepatitus virus posttranscriptional regulatory element

<400>   7
accaggttct gttcctgtta atcaacctct ggattacaaa atttgtgaaa gattgactgg   60

Sequence Listing

tattcttaac tatgttgctc cttttacgct atgtggatac gctgctttaa tgcctttgta   120

tcatgctatt gcttcccgta tggctttcat tttctcctcc ttgtataaat cctggttgct   180

gtctctttat gaggagttgt ggcccgttgt caggcaacgt ggcgtggtgt gcactgtgtt   240

tgctgacgca accccactg gttggggcat tgccaccacc tgtcagctcc tttccgggac   300

tttcgctttc cccctcccta ttgccacggc ggaactcatc gccgcctgcc ttgcccgctg   360

ctggacaggg gctcggctgt tgggcactga caattccgtg gtgttgtcgg ggaagctgac   420

gtcctttcca tggctgctcg cctgtgttgc cacctggatt ctgcgcggga cgtccttctg   480

ctacgtccct tcggccctca atccagcgga ccttccttcc cgcggcctgc tgccggctct   540

gcggcctctt ccgcgtcttc gccttcgccc tcagacgagt cggatctccc tttgggccgc   600

ctccccgcct gtttcgcctc gggctcctcg ag   632

<210>   8
<211>   24
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   forward primer for amplifying neomycin resistant gene

<400>   8
gcggccgcgc gcgtcaggtg gcac   24

<210>   9
<211>   29
<212>   DNA
<213>   Artificial Sequence

<220>

Sequence Listing

<223>   reverse primer for amplifying neomycin resistant gene

<400>   9
cgatcggacg ctcagtggaa cgaaaactc   29

<210>   10
<211>   18
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   forward primer for amplifying chicken B-globin insulator

<400>   10
tcgactctag agggacag   18

<210>   11
<211>   18
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   reverse primer for amplifying chicken B-globin insulator

<400>   11
ctcactgact ccgttcct   18

<210>   12
<211>   29
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   forward primer for amplifying woodchuck hepatitus virus

Sequence Listing

posttranscriptional regulatory element

<400>   12

accaggttct gttcctgtta atcaacctc   29

<210>   13
<211>   27
<212>   DNA
<213>   Artificial Sequence

<220>

<223>   reverse primer for amplifying woodchuck hepatitus virus
         posttranscriptional regulatory element

:400>   13

:tcgaggagc ccgaggcgaa acaggcg   27